

## **ABSTRACT**

A dual-function keyboard with two operational modes, a typing mode and a pointing mode. In the typing mode, each visible key functions as in a standard keyboard. In the pointing mode, all the keys function as pointer controllers. The  
5 keyboard also employs a novel "one-hot-encoding" circuitry that simplifies the wiring while allowing digital detection of any number of keys that are simultaneously depressed. The keyboard may be made of flexible materials and may be rolled-up or folded for easy transportation.

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